

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work: Detailed Estimate for the Repair works of kattigenahlli Ward office in Ward No.

05 Byatarayanapura Sub Division

		Estimate Cost Rs.						500000.00	
SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2014-15	cum							
			1	20.00	20.00	0.30	120.00		
							120.00	169.56	20347.00
	Basic Rate	157.00							
	Area Weightage @ 8%	12.56							
	Total	169.56							
2	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (P.NO - 5, I.NO - 2.3, PWD SR 16-17)	Cum							
	For Compound Wall		1	45.00	0.75	0.75	25.31		
	Soak Pit		1	3.14X2.40X2.40	3.00		13.56		
				4					
							38.88	204.12	7936.00
	Basic Rate	189.00							
	Area Weightage @ 8%	15.12							
	Total	204.12							
3	KSRB 5.1.1 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with mud mortar (uncoursed), bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.21 Page No. 25/ Item No. 5.1/ PWD SR 2011-12	Cum							
	Soak Pit		1	3.14X2.40X0.30	3.00		1.70	1883.52	3194.00
				4					
	Basic Rate	1744.00							
	Area Weightage @ 8%	139.52							
	Total	1883.52							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 7.5 with OPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2016-17	cum							
	Ward office Front		1	14.15	1.00	0.15	2.12		
	Compound Front		1	3.70	3.20	0.15	1.78		
			1	3.30	2.30	0.15	1.14		
	For Compound Wall		1	45.00	0.75	0.15	5.06		
							10.10	5256.36	53087.00
	Basic Rate	4867.00							
	Area Weightage @ 8%	389.36							
	Total	5256.36							
5	KSRB 5.2-2 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with mud mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No.	cum							
	Compound		1	45.00	0.60	0.45	12.15		
							12.15	4359.96	52974.00
	Basic Rate	4037.00							
	Area Weightage @ 8%	322.96							
	Total	4359.96							
6	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 26/ Item No. 5.9/ PWD SR 2016-17	cum							
	Compound		1	45.00	0.45	0.40	8.10		
							8.10	5405.40	43784.00
	Basic Rate	5005.00							
	Area Weightage @ 8%	400.40							
	Total	5405.40							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 24/ Item No. 5.27/ PWD SR 2016-17	Sqm							
	For Compound Wall		1	45.00		1.30	58.50		
			144	0.40		0.20	11.52		
							70.02	1011.96	70857.00
	Basic Rate	937.00							
	Area Weightage @ 8%	74.96							
	Total	1011.96							
8	KSRB 4.2.8 Providing and laying in position reinforce cement concrete of mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.46 with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6. Page No. 15/ Item No. 4.11/ PWD SR 2016-17	Cum							
	Ward office Front		1	14.15	1.00	0.10	1.42		
	Compound Front		1	3.70	3.20	0.10	1.18		
			1	3.30	2.30	0.10	0.76		
	For Roof Top		1	5.80	4.30	0.075	1.87		
	Coaping		1	45.00	0.45	0.100	2.03		
							7.25	6491.88	47089.00
	Basic Rate	6011.00							
	Area Weightage @ 8%	480.88							
	Total	6491.88							
9	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 119/ Item No. 15.1 PWD SR 2016-17	sqm							
	Compound		1	45.00	0.40		18.00		
							18.00	104.76	1886.00

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	97.00							
	Area Weightage @ 8%	7.76							
	Total	104.76							
10	KSRB 9.4-1 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators, and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33. Page No. 55 / Item No. 9.11/ PWD SR 2016-17	Cum							
	Doors		2	6.60	0.075	0.125	0.12		
	Windows		3	4.40	0.075	0.125	0.12		
							0.25	111083.40	27493.00
	Basic Rate	102855.00							
	Area Weightage @ 8%	8228.40							
	Total	111083.40							
11	KSRB 9-16.1: Providing and fixing in position Honne wood fully panelled shutters for windows with styles and rails of 35mm. thick, 75mm wide in two halves with panels of 25mm thick including cost of materials, labour charges, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No.KBS 9.34 Page No. 58/ Item No. 9.44/ PWD SR 2016-17	Sqm							
	Door		2	0.80	1.90		3.04		
	Windows		3	0.65	0.95		1.85		
	Basic Rate	4888.00					4.89	5279.04	25828.00
	Area Weightage @ 8%	391.04							
	Total	5279.04							
12	KSRB 15.15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. Page No.123/ Item No. 15.51.2 / PWD SR 2016-17	Sqm							
	Cealing Meeting Hall		1	3.10	2.75		8.53		
	Varanda		1	6.00	1.90		11.40		
	office Room		1	6.10	4.10		25.01		
	Antiq Chamber		1	2.95	2.65		7.82		
	Store		1	6.30	2.70		17.01		
	Walls								
	Meeting Hall		2	3.10		3.00	18.60		
			2	2.75		3.00	16.50		
	Varanda		2	6.00		3.00	36.00		
			2	1.90		3.00	11.40		
	office Room		2	6.10		3.00	36.60		
			2	4.10		3.00	24.60		
	Antiq Chamber		2	2.95		3.00	17.70		

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2	2.65		3.00	15.90		
	Store		2	6.30		3.00	37.80		
			2	2.70		3.00	16.20		
	Anganavadi Building		2	5.70		3.00	34.20		
			2	4.3		3.00	25.80		
							361.06	76.68	27686.00
	Basic Rate	71.00							
	Area Weightage @ 8%	5.68							
	Total	76.68							
13	KSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. Page No. 124/ Item No. 15.53.2 / PWD SR 2016-17	Sqm							
	Ward office Building		2	12.35		3.60	88.92		
			2	6.80		3.60	48.96		
	Anganavadi Building		2	6.50		3.30	42.90		
			2	5.00		3.30	33.00		
	Compound Wall		2	31.00		1.30	80.60		
			2	31.30		1.30	81.38		
			2	30.00		1.30	78.00		
			2	36.70		1.30	95.42		
							549.18		
	Deduction for Gate		1	3.50		1.30	4.55		
			1	1.20		1.30	1.56		
							6.11		
							543.07	90.72	49267.00
	Basic Rate	84.00							
	Area Weightage @ 8%	6.72							
	Total	90.72							
14	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. Page No.125 / Item No. 15.60 / PWD SR 2016-17	Sqm							
	Ward office Building								
	D		6	1.00		2.00	12.00		
	W		8	0.85		1.15	7.82		
	W1		2	1.45		1.15	3.34		
	Roling Shetter		1	1.90		2.05	3.90		
	Anganavadi Building								
	D		1	1.05		2.05	2.15		
	W		3	1.00		1.20	3.60		
							32.80	90.72	2976.00
	Basic Rate	84.00							
	Area Weightage @ 8%	6.72							
	Total	90.72							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
15	KSRB 11-2 : Providing and fixing white vitreous china clay, water closets Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P. V. C. flushing cistern (all are approved make) with fittings, C.I. / M.S. brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS Page No. 78/ Item No. 12.2 PWD SR 2016-17	Unit							
			1				1.00	4682.88	4683.00
	Basic Rate	4336.00							
	Area Weightage @ 8%	346.88							
	Total	4682.88							
16	Providing and fixing CI Nahani Trap of approved make conforming to ISI specifications and construction of cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). 10 cms x 7.5cms, Page No.91/ Item No. 12.113.1 PWD SR 2016-17	Each							
			2				2.00	270.00	540.00
	Basic Rate	250.00							
	Area Weightage @ 8%	20.00							
	Total	270.00							
17	KSRB 13-6.1.2: Providing and fixing in position brass bib cock of approved quality 20mm, nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification NO. KBS 13.2.2 / 13.3Page No. 95/ Item No. 13.24 / PWD SR 2016-17	Each							
			2				2.00	262.44	525.00
	Basic Rate	243.00							
	Area Weightage @ 8%	19.44							
	Total	262.44							
18	KSRB 13-1.2 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 20mm dia nominal bore with fittings (medium grade weight 1.65 kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications no. KBS 13.2.14/13.8 Page No. 93/ Item No. 13.2 / PWD SR 2016-17	M							
			1	20.00			20.00	241.92	4838.00
	Basic Rate	224.00							
	Area Weightage @ 8%	17.92							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	241.92							
19	Providing and fixing M.S Gate as per Cheaf Architect Drawing using 40mmX50mm 14 guage M.S hollow pipe frame work bent to ornamental shape as shape as shown in the drawing and 35mmX6mm and 16X16mm square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmX6mm M.S flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete the work includes cost of all materials, labour charges for all item of work, hire charges of welding, cutting and grinding equipment, and electricity charges, with lead and lift loading and unloading charges. etc., complete as per specification and drawing Page No.47/ I No. 7.37/ PWD SR 2016-17	Sqm							
			1	1.70	1.9+1.5		2.89	3168.72	9158.00
					2				
	Basic Rate	2934.00							
	Area Weightage @ 8%	234.72							
	Total	3168.72							
20	KSRB 13.11.1: Providing and placing on terrace. Polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) Specification NO. KBS 13.22 Page No. 102/ Item No. 13.78 / PWD SR 2016-17	No.							
			1				1.00	9144.36	9144.00
	Basic Rate	8467.00							
	Area Weightage @ 8%	677.36							
	Total	9144.36							
21	KSRRB M300-53 : Construction of embankment with approved material Gravel/Murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications (which includes cost of gravel / murum, watering charges & compaction by vibratory roller) MORTH Specification No. 305. (Page No. 144 & Item No. 19.60) PWD SR 2016-17								
			1	20.00	20.00	0.30	120.00		

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							120.00	220.32	26438.00
	Basic Rate	204.00							
	Area Weightage @ 8%	16.32							
	Total	220.32							
							Grand Total		489730.00
22	For 1% Third Party Inspection Charges								4897.00
23	Miscellaneous Charges	L/S							5373.00
								Total	500000.00

(Rupees Twelve Lakhs Only)

CERTIFICATE

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PWD SR 2016-17
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.

Assistant Engineer

ಸಹಾಯಕ ಅಭಿಯಂತರರು

ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Executive Engineer

Byatarayanapura Division

Assistant Executive Engineer

Byatarayanapura Sub Division

ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-24

TECHNICAL SANCTION

Accorded For Rs. Five lakhs only

Head of A/c. P-1771

Div. Ref. No. 55/18-19 Date 3/09/18

AE 3/09

EE(BTP) 3/09